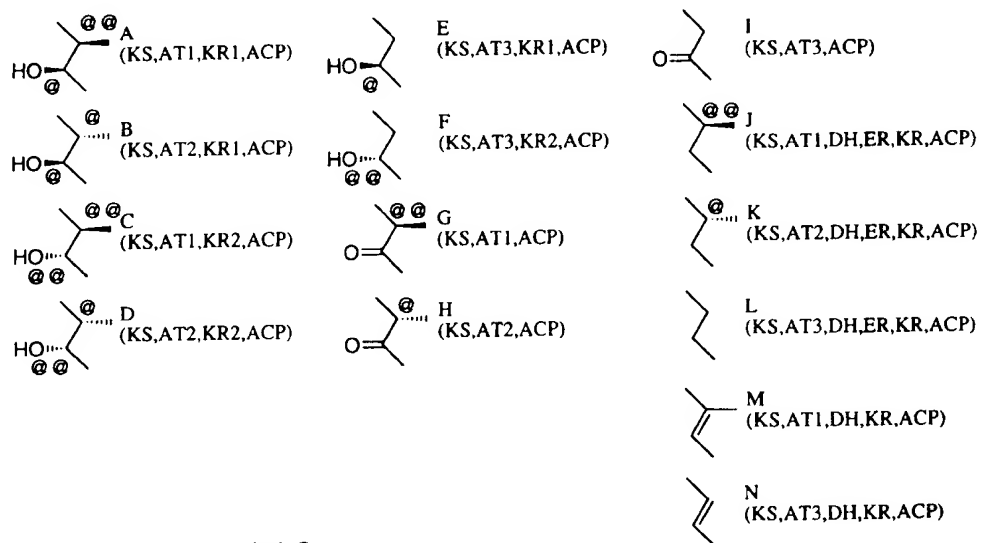


Figure 1

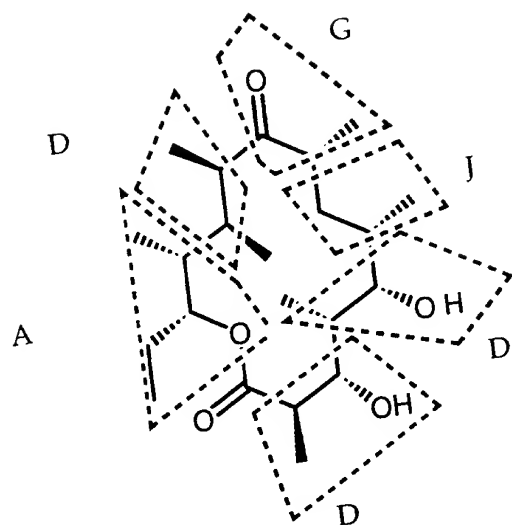


AT1: methylmalonyl-CoA @
 AT2: methylmalonyl-CoA @@
 AT3: malonyl-CoA

KR1: hydroxyl @
 KR2: hydroxyl @@

@@ = counter clockwise
 @ = clockwise

Figure 2



CHUCKLES: ADGJDD

SMILES:

C1(=O)-[C@H](C)[C@@H](OH)-[C@@H](C)[C@@H](OH)-
[C@@H](C)C-[C@@H](C)C(=O)-[C@H](C)[C@@H](C)-
[C@@H](C)[C@@H](CC)O1

Figure 3

Figure 4A

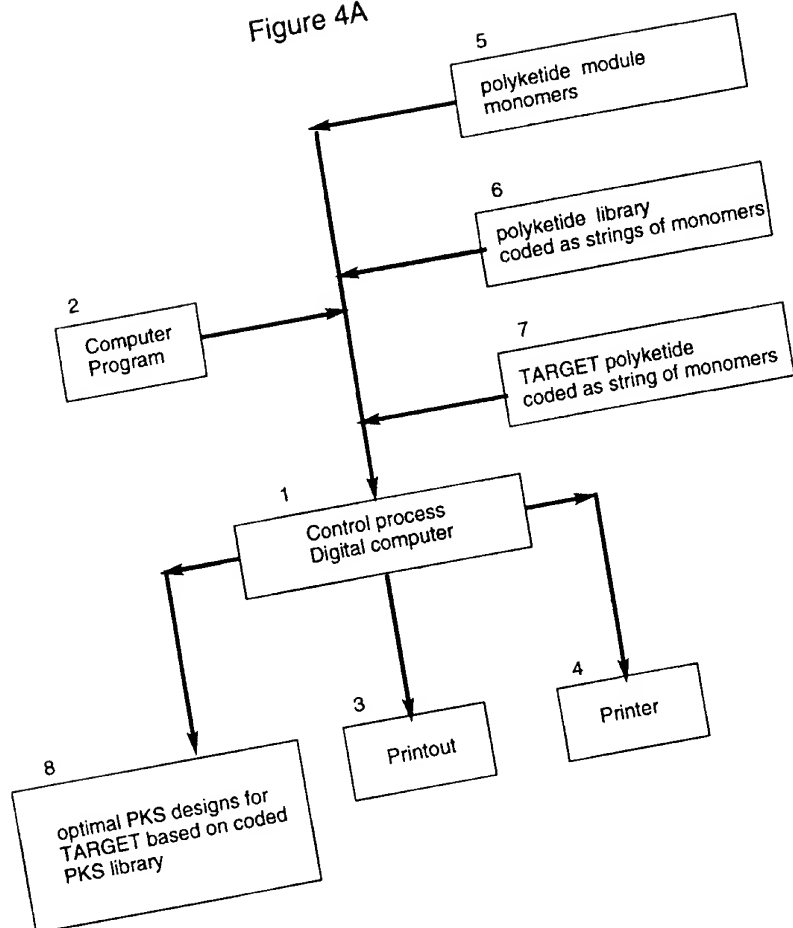


Figure 4B

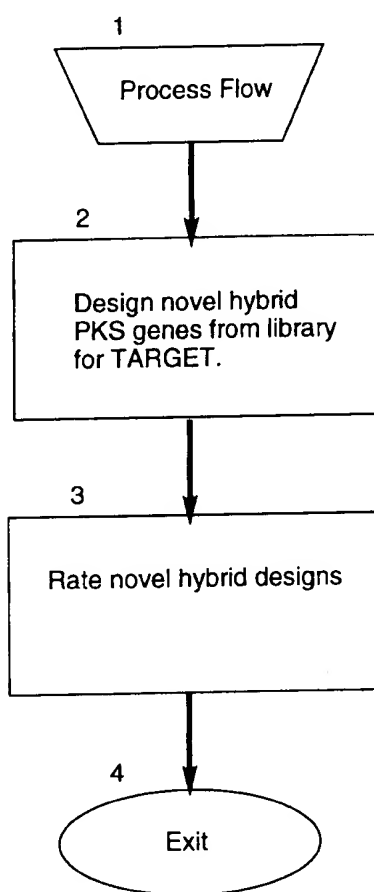
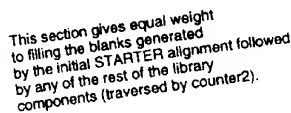


Figure 4C



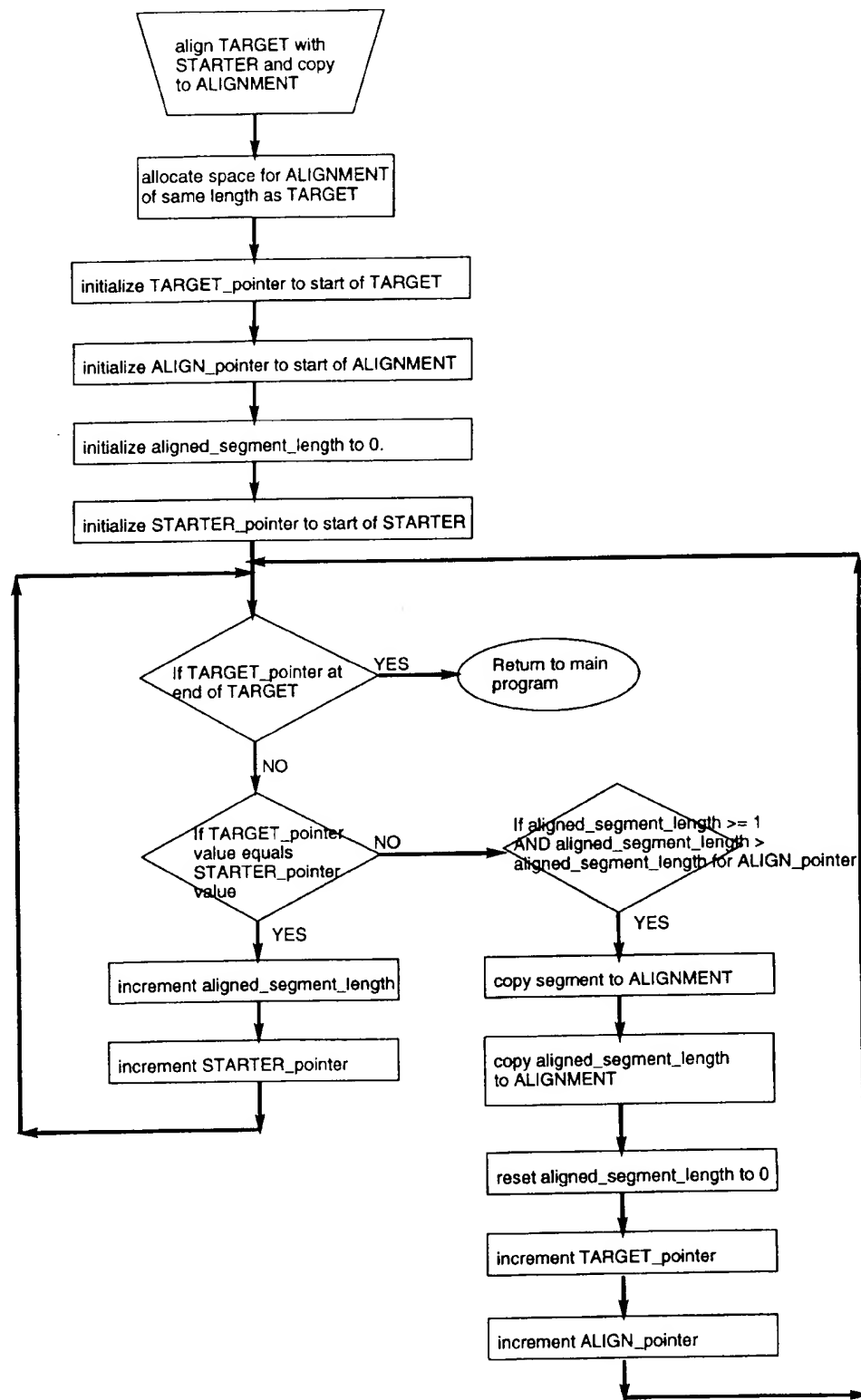


Figure 4D

Figure 4E

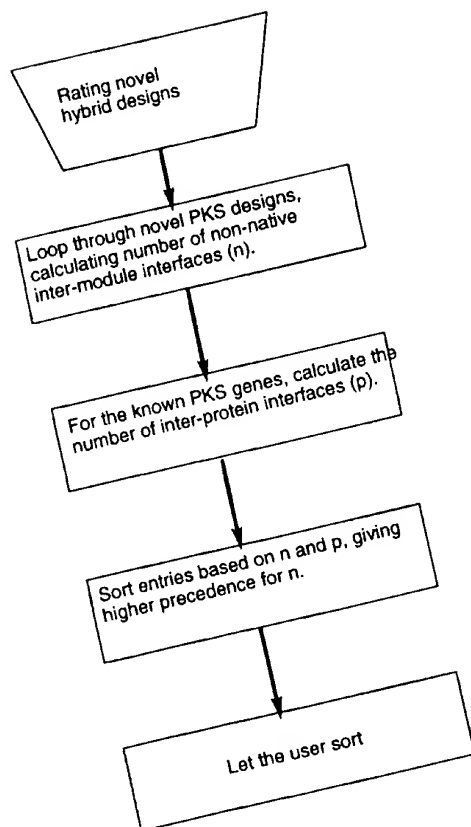


Figure 5

